

JMV Warngen Creation Instructions and Key Word List

JMV WARNGEN

High wind and sea messages are generated in JMV by first using the provided drawing tools to digitize the desired winds and seas contours. Tools are provided to draw the following:

- Storm Contours
- Storm Maximum Wind Point
- Gale Contours
- Gale Maximum Wind Point
- 8 Foot Sea Contours
- 12 Foot Sea Contours
- 18 Foot Sea Contours
- 24 Foot Sea Contours
- Maximum Sea Height Point

Tools are also provided to group the drawn objects into wind or sea systems:

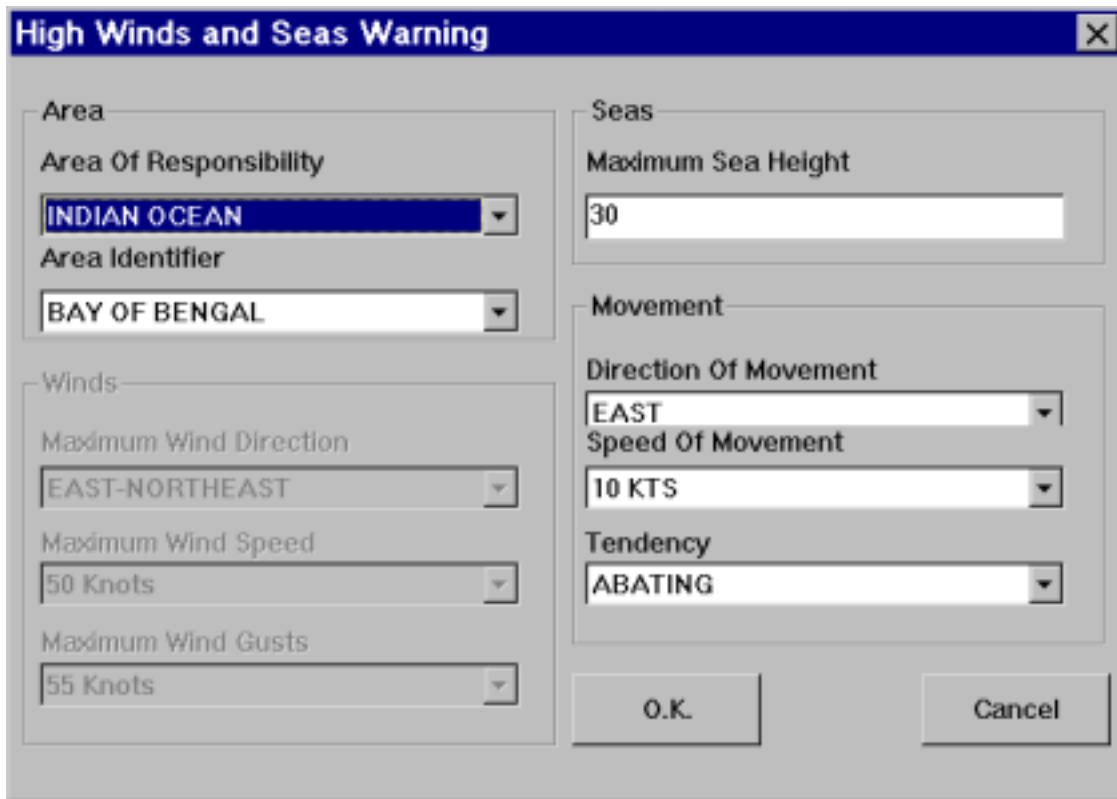
- Gale message
- Storm Message
- Seas Message

Using the provided tools, the desired objects are drawn on the screen. After drawing is completed the objects are grouped together to form the basis of each Storm, Gale, or Seas paragraph in the generated message. The first object in the group is selected by clicking the left mouse button on the object. The shift key is then pressed and held while the rest of the objects in the group are selected one at a time. After all objects in the group have been selected, the appropriate "Message" button is clicked to save the group and to prompt the user for the rest of the required information. This prompt is based on the "Message" button clicked. Storms and Gales require certain information while Seas require slightly different information. This process is continued until all of your objects have been grouped as "Storms", "Gales", or "Seas". Refer to the "High Winds And Seas Warning" dialog for a description of the required information.

The message is not built at this time; the information is just saved internally in JMV and saved to the annotation file when specified by the user. This file can be displayed and modified using the same tools used to build it.

After the annotation file is complete a message can be generated from it at any time. From the main display screen, select "Export" and then select "High Winds And Seas Message". An annotation file selection list will be displayed. Select the appropriate file and click the "O.K." button. After the annotation is selected the "Export Warning" dialog will be displayed. From the "Export Warning" dialog the user can select the message template file(s) to be used for the message building. The lists of ACTION ADDEES, INFO ADDEES, References, and Tropical data are also selected through this dialog. Options to control the actual message DTG used and a list of user specified key words are also provided.

Automatic generation of an advisory or unusual area such as Guam's Kuroshio North Wall advisory is not possible in this version but could be added later.



The image shows a Windows-style dialog box titled "High Winds and Seas Warning". It contains several groups of controls:

- Area:**
 - Area Of Responsibility:** A dropdown menu with "INDIAN OCEAN" selected.
 - Area Identifier:** A dropdown menu with "BAY OF BENGAL" selected.
- Winds:**
 - Maximum Wind Direction:** A dropdown menu with "EAST-NORTHEAST" selected.
 - Maximum Wind Speed:** A dropdown menu with "50 Knots" selected.
 - Maximum Wind Gusts:** A dropdown menu with "55 Knots" selected.
- Seas:**
 - Maximum Sea Height:** A text input field containing the number "30".
- Movement:**
 - Direction Of Movement:** A dropdown menu with "EAST" selected.
 - Speed Of Movement:** A dropdown menu with "10 KTS" selected.
 - Tendency:** A dropdown menu with "ABATING" selected.

At the bottom right of the dialog are two buttons: "O.K." and "Cancel".

Area Of Responsibility

The Area Of Responsibility is only selectable on the first system saved. This selection is substituted for the template keyword AOR.

Area Identifier

The Area Identifier can be changed for each system saved. This selection is substituted for the template keyword AID.

Winds

Maximum Wind Direction. Substituted for keyword WDF and the abbreviated version for WDA.

Maximum Wind Speed. Substituted for keywords MXW and MXWN.

Maximum Wind Gusts. Substituted for keyword MXG.

Wind selections are only allowed for Storms and Gales.

Seas

Maximum Sea Height. Substituted for keywords MXS and MXSN.

Maximum Sea Height entry is only allowed for Seas.

Movement

Direction Of Movement. Substituted for keyword MDF and the abbreviated version for MDA.

Speed Of Movement. Substituted for keywords MSP and MSPN.

Tendency. Substituted for keyword TEN.

Movement selections are allowed for Storm, Gale, and Seas.

12/18 seas - FRA40912.00F

Current Synoptic Time
131200Z APR 98 Set Setup Options

Message Templates
eastpac.wmt Add Remove Edit

Action Addee Source Files
eastpac.aad Add Remove Edit

Info Addee Source Files
eastpac.iad Add Remove Edit

Tropical Source Files
Add Remove Edit

Reference Message Files
eastpac.ref Add Remove Edit

Build Done

Export Warning Dialog

The window bar lists the selected annotation file on entry.

Current Synoptic Time

Current 00Z or 12Z base time set in the computer. The GMT offset is applied to the system time to arrive at this time. The "Current Synoptic Time" is used to generate all other DTG's. The "Set" button next to the time box can be clicked to bring up the "Warning Message Times" dialog. From that dialog, all DTG offset may be modified and checked.

Message Templates

These are the template files that contain all of the information shown on this dialog plus the "Warning Message Times" and "Setup Option" dialogs. A message will be generated for each template file in the list. To change templates list, use the "Add" and "Remove" buttons. To change the entries for a template in the list, pull down the list and select the desired template. The dialog will update to reflect the new selection. The "Template" section of the template file can be edited by clicking the "Edit" button next to the template list box.

ACTION ADDEE Source Files

The selected list file can be edited by clicking the "Edit" button next to the list box. Another file can be added to the list by clicking the "Add" button. The selected file can be removed by clicking the "Remove" button.

INFO ADDEE Source Files

The selected list file can be edited by clicking the "Edit" button next to the list box. Another file can be added to the list by clicking the "Add" button. The selected file can be removed by clicking the "Remove" button.

Tropical Source Files

The selected list file can be edited by clicking the "Edit" button next to the list box. Another file can be added to the list by clicking the "Add" button. The selected file can be removed by clicking the "Remove" button.

Reference Source Files

The selected list file can be edited by clicking the "Edit" button next to the list box. Another file can be added to the list by clicking the "Add" button. The selected file can be removed by clicking the "Remove" button.

Setup Options

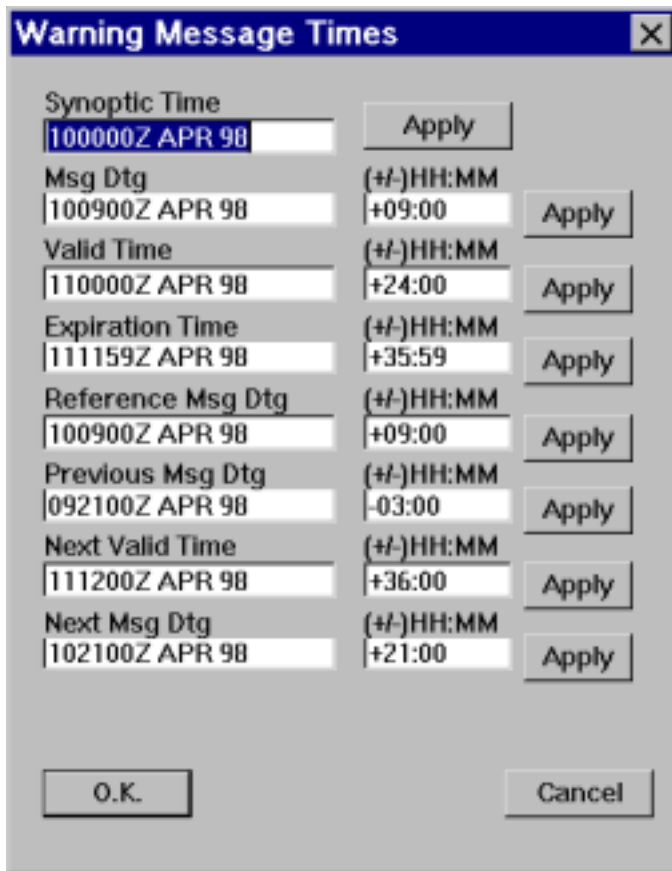
This brings up the "Setup Options" dialog. All user assigned key plus classification and precedence are entered here.

Build

The "Build" button builds a message based on the selected annotation file and the selected template file.

Done

The "Done" buttons returns to the normal display screen.



The dialog box titled "Warning Message Times" contains the following fields and buttons:

Field Label	Value	Offset Format	Action
Synoptic Time	100000Z APR 98		Apply
Msg Dtg	100900Z APR 98	(+/-)HH:MM +09:00	Apply
Valid Time	110000Z APR 98	(+/-)HH:MM +24:00	Apply
Expiration Time	111159Z APR 98	(+/-)HH:MM +35:59	Apply
Reference Msg Dtg	100900Z APR 98	(+/-)HH:MM +09:00	Apply
Previous Msg Dtg	092100Z APR 98	(+/-)HH:MM -03:00	Apply
Next Valid Time	111200Z APR 98	(+/-)HH:MM +36:00	Apply
Next Msg Dtg	102100Z APR 98	(+/-)HH:MM +21:00	Apply

At the bottom of the dialog are "O.K." and "Cancel" buttons.

Date-Time-Group values are specified as hour and minute offsets to the current synoptic time. The minutes portion of the generated DTG will always be the minute specified in the offset. This option replaces the minutes substitution option in the old WARNGEN template files. Since DTG offset values are unique to each template it is possible to generate all messages with a unique minutes portion of the DTG.

The DTG labels, other than "Message Date Time" do not really mean anything to the program and the associated entries can be used to represent anything that you want. Each DTG has 6 key words associated with it that can be inserted in a message template and the DTG represented by the associated key word will be substituted in the selected format at message generation time. The final DTG for "Message Date Time" is used to generate the Julian day and time.

The Synoptic time generated by the program can be changed if desired, click the associated "Apply" button to update the other entries based on the new "Synoptic Time" entry.

Note: Modified synoptic times only affect the current message being generated. JMV will generate a new synoptic time the next time you export a message.

The "Apply" associated with each DTG entry only updates the associated entry. All other entries are left unchanged.

Setup Options	
Manop (MAN1) PHNC	Classification (CLASS) UNCLASS
Manop (MAN2) 	Precedence (PRI) IMMEDIATE
User Key (UK0) 	User Key (UK5)
User Key (UK1) 	User Key (UK6)
User Key (UK2) 	User Key (UK7)
User Key (UK3) 	User Key (UK8)
User Key (UK4) 	User Key (UK9)
Cycle Daily <input type="checkbox"/> 1 Digit Counter <input type="checkbox"/> 2 Digit Counter <input checked="" type="checkbox"/> 3 Digit Counter <input type="checkbox"/> 4 Digit Counter <input type="checkbox"/> Use Message Ice Block	
Cancel O.K.	

There are two MANOP key words and ten User Key, key words associated with each template. These may be used for anything that you like. The strings entered in the dialog box will be substituted when the appropriate key word is encountered in the template file or any of the inserted AAD, IAD, REF, or TRO files.

Classification and Precedence are pull down selection lists.

Cycle Daily

Normally the 4 counters are reset to "1" when the maximum value for the specified number of digits is reached. When the box is checked, the selected counter will reset to "1" at the start of each day.

Use Message Ice Block

The "Use Message Ice Block" checkbox controls whether the "START ICE" or "START NOICE" blocks of the template file are used. When checked, the "START ICE" block is used.

Message Template Files

Each message template file will generate one message. To generate multiple messages from the same annotation file you must select another template file and click the "Build" button again or select more than one template file. Generated messages are placed in the "NODDSFLS\WARNMSG" directory and will have the same name as the template file but with the extension changed to ".MSG".

Each template file is assigned it's own unique values such as a Date-Time-Group offsets. Message reference lines, ACTION ADDEE line, INFO ADDEE lines, and other information such as tropical data can either be imbedded in the template itself or can be inserted from a user specified file(s).

Date-Time-Group values are specified as hour and minute offsets to the current synoptic time. The minutes portion of the generated DTG will always be the minute specified in the offset. Since DTG offset values are unique to each template it is possible to generate all messages with a unique minutes portion of the DTG. The seven user controlled DTG'S are labeled in the dialog box as follows:

Message Date Time
Message Expiration Time
Message Valid Time
Reference Message Time
Previous Message Time
Next message Time
Next Message Valid Time

These labels, other than "Message Date Time" do not really mean anything to the program and can be used to represent anything that you want. Each DTG has 6 key words associated with it that can be inserted in a message template and the DTG and format represented by the associated key word will be substituted at message generation time. The entry for "Message Date Time" is used to generate the Julian day and time.

There are two MANOP key words and ten User Key words associated with each template. These may be used for anything that you like. The strings entered in the dialog box will be substituted when the appropriate key word is encountered in the template file or any of the inserted AAD, IAD, REF, or TRO files.

AAD, IAD, REF, and TRO files to be inserted in the message are selected via a dialog box and are associated only with the specified template. These files must reside in the JMV directory "NODDSFLS/WARNINGEN". External files must first be placed in this directory and then selected via the appropriate dialog. These files do not have to be static. At any time you can copy a file from floppy disk and replace the file in the "WARNINGEN" directory. The special key words:

START NOWIND
END NOWIND
START WINDS
END WINDS
START NOSEAS
END NOSEAS
START SEAS
END SEAS
START NOICE
END NOICE
START ICE
END ICE

may NOT be used in AAD, IAD, REF, and TRO files.

Winds and Seas Section

The winds and seas portion of a message are controlled using the following keys. These keys must appear on a line by themselves:

```
_START NOWIND_  
_END NOWIND_  
_START WINDS_  
_END WINDS_  
_START NOSEAS_  
_END NOSEAS_  
_START SEAS_  
_END SEAS_
```

The selection of the NOWIND or NOSEAS and the WINDS or SEAS is determined by the annotation file being processed. If the annotation file contains no wind contours, the NOWINDS section will be executed. If the annotation file contains at least one wind contour, the WINDS section will be executed. The same goes for the seas message portion.

The "NOWINDS" and "NOSEAS" sections contain all message lines associated with no winds or seas. The "WINDS" and "SEAS" sections contain all message lines associated with a winds or seas message.

The template may contain all of the sections and the message generation routines will select the appropriate sections for the message.

Note: When the selected annotation file contains multiple wind or sea systems, the WINDS or SEAS section of the template file is repeated for each system in the file. The first line of the WINDS or SEAS section is expected to be the paragraph line (contains the _PN_ key) and is only used on the first system. The following systems will start with the _PL_ line which is expected to be the second line of the section.

Ice

The "ICE" and "NOICE" sections are used based on the "Ice" checkbox on the "High Winds And Seas Dialog". When "Ice" is checked, the "ICE" section is used. When "Ice" is not checked the "NOICE" section is used.

Message Printing

Each time a message is generated from the "High Winds And Seas" dialog, the completed message is displayed in the message editor. You can modify or print the message at this point if required. If the message is modified, click the "Save" button when finished. If no action is required, click the "Cancel" button to continue. Don't worry about the "Cancel" button, the message as displayed has already been saved. Click the "Print" button to print the displayed message.

Imbedded keys

Imbedded keys are valid in all message template files, including REF, AAD, IAD and TRO files.

General Keys

AOR Area of responsibility (from winds/seas dialog)

	Format: "FOR THE AOR NAME"
AID	Geographic area identifier (from winds/seas dialog) Format: "FOR AID NAME"
TEN	System Tendency (from winds/seas dialog) Format: "AND TENDENCY"
PL	Next paragraph letter (A., B., etc., reset to A. after each _PN_)
PN	Next paragraph number (1., 2., etc.)
3X	Current MANOP suffix (=30 for 00Z, =31 for 12Z valid time).
3Z	Previous or next MANOP suffix.

Wind Keys

WDF	Wind direction non-abbreviated (from winds/seas dialog) Format: "NORTH-NORTHEAST"
WDA	Wind direction abbreviated (program computed) Format "NNE"
MXW	Max wind speed (from winds/seas dialog) Format: "AT XX KTS"
MXWN	Max wind speed (from winds/seas dialog) Format: "XX"
MXG	Max wind gusts (from winds/seas dialog) Format: "WITH GUSTS TO XX KTS"
WT	System type, STORM or GALE (from annotation dialog) Format: "STORM" or "GALE"
WC	Storm or Gale contour. Format: "AREA OF ZZ KT WINDS AND GREATER OVER WATER BOUNDED BY: LAT/LON POINTS"

Sea Keys

MXS	Max sea height (from winds/seas dialog) Format: "XX FT"
MXSN	Max sea height (from winds/seas dialog) Format "XX"
MXSLL	Max sea height LAT/LON Format: "NEAR LAT/LON"
SC8FT	8 Foot Sea height contour line Format: "SEAS 8 FT AND GREATER BOUNDED BY: LAT/LON POINTS"

SC12FT	12 Foot Sea height contour line Format: "SEAS 12 FT AND GREATER BOUNDED BY: LAT/LON POINTS"
SC18FT	18 Foot Sea height contour line Format: "SEAS 18 FT AND GREATER BOUNDED BY: LAT/LON POINTS"
SC24FT	24 Foot Sea height contour line Format: "SEAS 24 FT AND GREATER BOUNDED BY: LAT/LON POINTS"

Note: The _SCV8_, _SCV12_, SCV18, and _SCV24_ keys must appear on a line by themselves and are only valid within a _START SEAS_ and _END SEAS_ block. Only lines for which a contour was digitized are actually included in the message.

Movement Keys

MDF	Movement direction non-abbreviated (from winds/seas dialog) Format: "AREA MOVING NORTH-NORTHEAST" or "AREA QUASI-STATIONARY"
MDA	Movement direction abbreviated (program computed) Format "NNE"
MSP	Movement speed (from winds/seas dialog) Format: "AT XX KTS"
MSPN	Movement speed (from winds/seas dialog) Format "XX"

Gold Message Keys

GMVG	Gold Movement direction abbreviated (program computed) Format: "TEXT///B/LAT/LON/MVG NNE X KT" or "TEXT///B/LAT/LON/MVG NNE XX KTS"
GMAX	Gold Max sea or wind line. Format: TEXT///B/LAT/LON/MAX XX FT or TEXT///B/LAT/LON/MAX XX KT
GVALID	Gold message valid time line. Must be used in conjunction with a DTG key word. Example: _GVALID_ _MVTA_
GWNDS	High Winds contour in Gold format. This is repeated for each system digitized.
GWVAL	Winds contour value line in Gold format. Format: TEXT///B/LAT/LON/35 or TEXT///B/LAT/LON/50
GSC8FT	8 Foot Sea height contour line Format: "SEAS 8 FT AND GREATER BOUNDED BY: LAT/LON POINTS"
GSC12FT	12 Foot Sea height contour line Format: "SEAS 12 FT AND GREATER BOUNDED BY: LAT/LON POINTS"
GSC18FT	18 Foot Sea height contour line

Format: "SEAS 18 FT AND GREATER BOUNDED BY: LAT/LON POINTS"

GSC24FT 24 Foot Sea height contour line
Format: "SEAS 24 FT AND GREATER BOUNDED BY: LAT/LON POINTS"

Note: The **_GSCV8FT_**, **_GSCV12FT_**, **GSCV18FT**, and **_GSCV24FT_** keys must appear on a line by themselves and are only valid within a **_START WINDS_** and **_END WINDS_** block. Only lines for which a contour was digitized are actually included in the message.

GSVAL8 8 ft contour label line.
Format: TEXT///B/LAT/LON/8

GSVAL12 12 ft contour label line.
Format: TEXT///B/LAT/LON/12

GSVAL18 18 ft contour label line.
Format: TEXT///B/LAT/LON/18

GSVAL24 24 ft contour label line.
Format: TEXT///B/LAT/LON/24

Message Numbers Maintained by Warngen (Incremented as used)

MN1 Number sequence from 1 to 9
Format: X

MN2 Number sequence from 1 to 99
Format: XX

MN3 Number sequence from 1 to 999
Format: XXX

MN4 Number sequence from 1 to 9999
Format: XXXX

Note: Counters normally reset to "1" when the maximum is reached but can be configured to reset to "1" at the beginning of each day. Refer to "Setup Options" dialog.

Message Line blocks (read from disk file)

Any imbedded keys found in inserted files will be replaced with the appropriate values. These keys must appear on a line by themselves

REF Message reference lines (inserted from file selected at winds/seas dialog)
AAD Message ACTION ADDEES (inserted from file selected at winds/seas dialog)
IAD Message INFO ADDEES (inserted from file selected at winds/seas dialog)

Tropical warnings info is inserted from a disk file specified at the wind/sea dialog. If no file is selected, no tropical warning info is inserted.

TRO Tropical message block (inserted from file selected at winds/seas dialog)

Note: The **_TRO_** option can be used to add any number of paragraphs at a specified point in a message template. They do not have to be tropical in nature. Use the **_PN_** and **_PL_** keys to keep paragraph numbers sequential.

Message blocks (designate message sections)

Only one winds block may appear in the message template. WARNGEN will generate a Storm or Gale paragraph for each high wind contour in the selected annotation file.

A "No Winds" paragraph is substituted when the selected annotation file does not contain at least one "High Winds" contour and the template file contains the "NO WINDS" block.

STARTWND	Start High winds message block (from template file)
ENDWND	End High winds message block (from template file)

Only one seas block may appear in the message template. WARNGEN will generate a Seas paragraph for each high sea contour set in the selected annotation file.

A "No Seas" paragraph is substituted when the selected annotation file does not contain at least one "High Seas" contour and the template file contains the "NO SEAS" block..

STARTSEAS	Start High seas message block (from template file)
ENDSEAS	End High seas message block (from template file)

Message times (all message times from wind/seas DTG dialog)

Message times are generated based on the synoptic time of the computer at message generation time. Computed times are presented to the user and may be changed at the wind/seas dialog.

Message Date Time

MDTA	Format: DDHHMMZ MON YY
MDTB	Format DDHHMM
MDTC	Format DDHHMMZ
MDTD	Format: DDHHMMZMONYY
MDTE	Format: DDHHMMC Where "C" is the checksum.
MDTF	Format: DDHHMMZC Where "C" is the checksum.

Message Expiration Time

META	Format DDHHMMZ MON YY
METB	Format DDHHMM
METC	Format DDHHMMZ
METD	Format: DDHHMMZMONYY
METE	Format: DDHHMMC Where "C" is the checksum.
METF	Format: DDHHMMZC Where "C" is the checksum.

Message Valid Time

MVTA	Format DDHHMMZ MON YY
MVTB	Format DDHHMM
MVTC	Format DDHHMMZ
MVTD	Format: DDHHMMZMONYY

<u>_MVTE_</u>	Format: DDHHMMC	Where "C" is the checksum.
<u>_MVTF_</u>	Format: DDHHMMZC	Where "C" is the checksum.

Reference Message Time

<u>_RMTA_</u>	Format DDHHMMZ MON YY	
<u>_RMTB_</u>	Format DDHHMM	
<u>_RMTC_</u>	Format DDHHMMZ	
<u>_RMTD_</u>	Format: DDHHMMZMONYY	
<u>_RMTE_</u>	Format: DDHHMMC	Where "C" is the checksum.
<u>_RMTF_</u>	Format: DDHHMMZC	Where "C" is the checksum.

Previous Message Time

<u>_PMTA_</u>	Format DDHHMMZ MON YY	
<u>_PMTB_</u>	Format DDHHMM	
<u>_PMTC_</u>	Format DDHHMMZ	
<u>_PMTD_</u>	Format: DDHHMMZMONYY	
<u>_PMTE_</u>	Format: DDHHMMC	Where "C" is the checksum.
<u>_PMTF_</u>	Format: DDHHMMZC	Where "C" is the checksum.

Next message Time

<u>_NMTA_</u>	Format DDHHMMZ MON YY	
<u>_NMTB_</u>	Format DDHHMM	
<u>_NMTC_</u>	Format DDHHMMZ	
<u>_NMTD_</u>	Format: DDHHMMZMONYY	
<u>_NMTE_</u>	Format: DDHHMMC	Where "C" is the checksum.
<u>_NMTF_</u>	Format: DDHHMMZC	Where "C" is the checksum.

Next Message Valid Time

<u>_NMVTA_</u>	Format: DDHHMMZ MON YY	
<u>_NMVTB_</u>	Format: DDHHMM	
<u>_NMVTC_</u>	Format: DDHHMMZ	
<u>_NMVTD_</u>	Format: DDHHMMZMONYY	
<u>_NMVTE_</u>	Format: DDHHMMC	Where "C" is the checksum.
<u>_NMVTF_</u>	Format: DDHHMMZC	Where "C" is the checksum.

Other DTG Keywords

<u>_SYN+HH:MM_</u>	Format: DDHHMMZ MON YY
<u>_SYN-HH:MM_</u>	Format: DDHHMMZ MON YY

The use of these key words provides dtg's in addition to those described above when more than 7 distinct dtg's are required by a template. The SYN+ key adds the specified hours and minutes to the Synoptic dtg. The SYN- key subtracts the specified hours and minutes from the Synoptic dtg. Both hours and minutes must be specified even if they are zero.

JDATE Julian Date Time (Message Date Time - 2 Minutes)

<u>_CMON_</u>	3 Character month (JAN, FEB, etc., based on synoptic DTG month)
<u>_MON1_</u>	1 to 2 digit month (JAN = 1, DEC = 12, based on synoptic DTG month)
<u>_MON2_</u>	2 digit month (JAN = 01, DEC = 12, based on synoptic DTG month)
<u>_HOUR_</u>	2 digit synoptic DTG hour (00 or 12)

User Assigned Keys

MANOP1	MANOP (from winds/seas dialog)
MANOP2	MANOP(from winds/seas dialog)
CLASS	Message classification word (from winds/seas dialog) Format: SECRET or CONFIDENTIAL or UNCLASS
C	Message classification character (from winds/seas dialog) Format: S or C or U
C4	Message classification character replicated 4 times (from winds/seas dialog) Format: SSSS or CCCC or UUUU
C5	Message classification character replicated 5 times (from winds/seas dialog) Format: SSSSS or CCCCC or UUUUU
PRI	Message precedence character (from winds/seas dialog) Format: O or P or R
UK#	User assigned keys. # is a number from 0 to 9. The values of the keys are assigned as a literal value by the user at the wind/seas dialog

Example Template File

Template files may be edited with any text editor but it is safer to edit them through the provided interface. If you edit a template file using another editor, do not modify anything outside the _START TEMPLATE_ and _END TEMPLATE_ section.

```
START DTG OFFSETS
MSG_DTG_OFFSET = 540
EXPIRATION_DTG_OFFSET = 2159
VALID_TIME_OFFSET = 1440
PREVIOUS_MSG_DTG_OFFSET = -180
NEXT_MSG_DTG_OFFSET = 1260
NEXT_VALID_TIME_OFFSET = 2160
REFERENCE_MSG_DTG_OFFSET = 540
TIME_ZONE_OFFSET = 8
END DTG OFFSETS
```

```
START USERKEYS
USERKEY0 =
USERKEY1 =
USERKEY2 =
USERKEY3 =
USERKEY4 =
USERKEY5 =
USERKEY6 =
USERKEY7 =
USERKEY8 =
USERKEY9 =
MANOP1 = PHNC
MANOP2 =
CLASSIFICATION = 0
PRECEDENCE = 0
END USERKEYS
```

```
START AADLIST
EASTPAC.AAD
END AADLIST
```

```
START IADLIST
EASTPAC.IAD
END IADLIST
```

```
START TROLIST
END TROLIST
```

```
START REFLIST
EASTPAC.REF
END REFLIST
```

```
START TEMPLATE
_PRI_TTUZYUW RUGHGN8_MN3_JDATE_-_C4_--RHMCSUU.
ZNR_C5_
_PRI_MDTA_ZPW_META_
FM NAVPACMETOCCEN PEARL HARBOR HI//32B//
```

AAD
 IAD
 BT
 CWORD //N03144//
 WWPN3X _MANOP1_ _MVTB_
 SUBJ: WIND/HIGH SEAS WARNING FOR THE _AOR_
 REF
 PN THIS WARNING SUPERCEDES AND CANCELS REF A AT _MVTA_.
 PN WARNINGS ARE FOR OVER WATER AREAS BUT ARE DESCRIBED FOR BREVITY
 AND MAY OVERLAP SOME LAND MASSES OR AREAS OF LESSER WINDS/SEAS.
 START NOWINDS
 PL NO WINDS 35 KTS OR GREATER FORECAST FOR 12 HRS COMMENCING _MVTA_.
 END NOWINDS
 START WINDS
 PN WIND WARNINGS EFFECTIVE FOR 12 HRS COMMENCING _MVTA_.
 PL _WT_ WARNING FOR _AID_.
 MAX SUSTAINED WINDS _WDF_ _MXW_ _MXG_.
 AREA MOVING _MDF_ _MSP_ _TEN_.
 AREA OF _MXWN_ KT WINDS AND GREATER OVER WATER BOUNDED BY: _LLPTS_
 END WINDS
 START NOSEAS
 PN NO SEAS 12 FT OR GREATER FORECAST FOR 12 HRS COMMENCING _MVTA_.
 END NOSEAS
 START SEAS
 PN HIGH SEAS WARNING EFFECTIVE FOR 12 HRS COMMENCING _MVTA_.
 PL HIGH SEAS WARNING FOR _AID_.
 MAX SEAS _MXSN_ FT _MXSLL_.
 AREA MOVING _MDF_ _MSP_ _TEN_.
 SC8FT
 SC12FT
 SC18FT
 SC24FT
 END SEAS
 PN FOR WIND AND SEAS WEST OF 160E SEE REF B.
 PN NEXT SCHEDULED WARNING WILL BE _NMTB_ WITH MANOP (WWPN_3Z_ _MANOP1_
 NMVTB).//
 END TEMPLATE

Example Message From Above Template File

Message was generated using the NOWINDS and NOSEAS sections. Lines longer than 69 characters are automatically wrapped to the next line. If you don't like where the program breaks the line, modify the template file and break the line so that it will not wrap when the message is generated.

OTTUZYUW RUGHGN8014 0920858-SSSS--RHMCSUU.
 ZNR SSSSS
 O 020900Z APR 98 ZPW 031159Z APR 98
 FM NAVPACMETOCCEN PEARL HARBOR HI//32B//
 TO AIG ONE FOUR ZERO
 INFO RUWMBBA/USCGC ACUSHNET
 BT
 SECRET //N03144//
 WWPN3X PHNC 030000
 A. NAVPACMETOCCEN PEARL HARBOR HI 312100Z MAR 98 (WWPN31 PHNC 312100

WIND/HIGH SEAS WARNING).

B. NAVPACMETOCCEN WEST GU 020900Z APR 98 (WWPW30 PGFW 030000Z APR 98 WIND/

1. THIS WARNING SUPERCEDES AND CANCELS REF A AT 030000Z APR 98.
2. WARNINGS ARE FOR OVER WATER AREAS BUT ARE DESCRIBED FOR BREVITY AND MAY OVERLAP SOME LAND MASSES OR AREAS OF LESSER WINDS/SEAS.
3. NO WINDS 35 KTS OR GREATER FORECAST FOR 12 HRS COMMENCING 030000Z APR 98.
4. WIND WARNINGS EFFECTIVE FOR 12 HRS COMMENCING 030000Z APR 98.
5. NO SEAS 12 FT OR GREATER FORECAST FOR 12 HRS COMMENCING 030000Z APR 98.
6. FOR WIND AND SEAS WEST OF 160E SEE REF B.
7. NEXT SCHEDULED WARNING WILL BE 022100 WITH MANOP (WWPN31 PHNC 0312 00).//

Example Template File Gold Winds Section

START WINDS
GWNDS
GMAX
GMVG
GVALID _MVTA_
ENDDAT
END WINDS

Example Template File Gold Seas Section

START SEAS
GS8FT
GSVAL8
GS12FT
GSVAL12
GS18FT
GSVAL18
GS24FT
GSVAL24
GMAX
GMVG
GVALID _MVTA_
ENDDAT
END SEAS

Example Template File Gold Winds Section

START WINDS
GWNDS
GWVAL
GMAX
GMVG
GVALID _MVTA_
ENDDAT
END WINDS

